

The DEQ BMP Warehouse

Virginia Department of Environmental Quality
September 2, 2021

Purpose of Presentation

To provide updates about the BMP Warehouse application.

To demonstrate the use of the application.

To answer technical questions about BMP reporting using the application.

Presenter will not be able to answer MS4 or SWCGP programmatic, permit condition, permit compliance, credits, or trading type questions.

These should be directed to the respective DEQ Water Permitting staff.

Website and Link to Application

- <https://apps.deq.virginia.gov/BMP/>



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Welcome to the BMP Warehouse

This application is used to upload Nonpoint Source Best Management Practice (BMP) data into the BMP Warehouse application using pre-determined Excel files or templates. It is not designed as a searchable database. This application should be used to meet BMP data reporting requirements to the Virginia Department of Environmental Quality (DEQ). Once BMP data is uploaded into the system all data is stored in a centralized database. Data stored in the BMP Warehouse will be used for state and federal reporting purposes. Please refer to the following link to access the most recent [instructional webinar](#) for more information and to determine whether you should be using this application.

In order to use this application, you must have an account. Request an account using the link below.

Log In

Please enter your credentials below to log into the application.

Email Address

Password

Forgot your password? [Click Here](#)

Need an Account? [Click Here](#)

Submit

For more documentation on BMPs and Bay Program Modeling please refer to the following webpages:

- [Source Data](#)
- [Phase 6 Time Variable Watershed Model Documentation](#)
- [Map Tools and Spatial Data](#)
- [BMPs](#)

For more documentation on NPS implementation related to local (not Bay TMDL) Implementation plans and the Grants Template please refer to the following webpage:

- [Project Resources](#)

Additional Resources

<https://www.deq.virginia.gov/water/chesapeake-bay/phase-iii-wip/bmp-verification>

- Link to a recording of today's webinar
- Copy of this presentation
- BMP Warehouse User's Manual

Agenda

- Application status and use
- Completed upgrades
- Application Demonstrations
 - Uploading new records
 - Updating existing records
 - Inspection template use
 - Searching and Exporting data
 - Multiple Measure required BMPs
- Coming Changes to BMPs
- Discussion

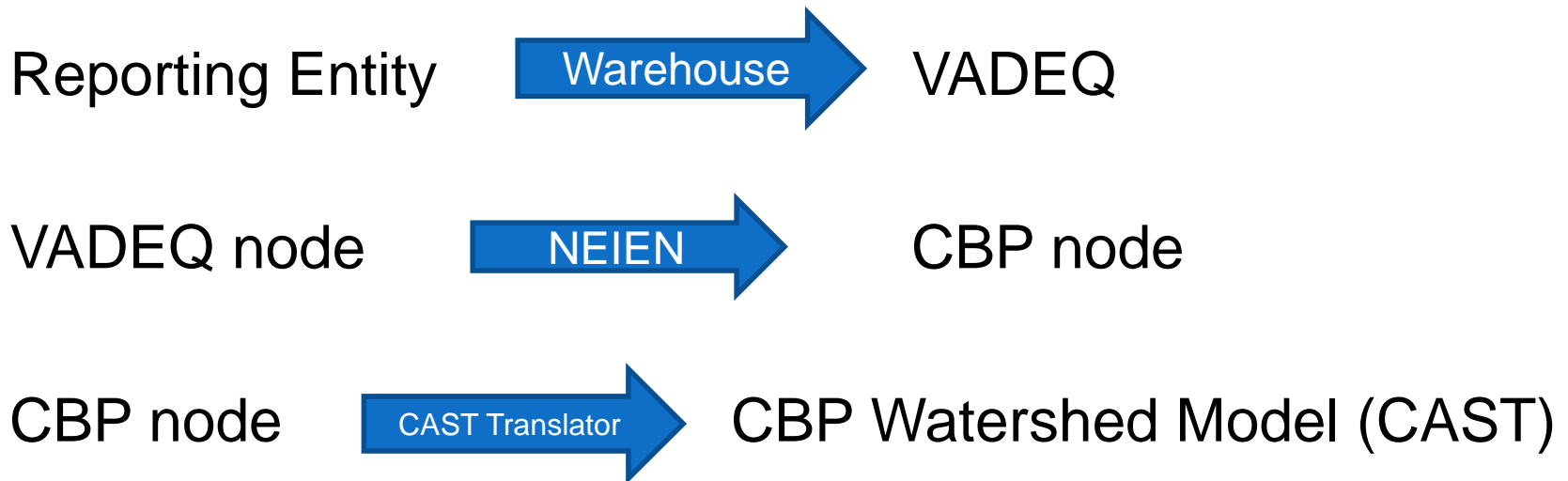
Current Status

- Utilized for 2015 thru 2020 “Annual Progress” reporting
- As of August 25, 2021
 - 311 users (272 external or non-DEQ)
 - 571 listed organizations
 - 973,673 data records imported (earliest record 1955)
 - 366,016 individual BMP records
 - 223,655 individual BMP records submitted to CBP for 2020

Current Use

- Collect BMPs implemented statewide - not just Bay portion of Virginia
- For 319(h) or WQIF grants reporting
- MS4 BMP implementation reporting
- For Virginia's annual progress reporting to EPA Bay Program
- Deadline for submitting data to DEQ BMP Warehouse for CBP annual reporting
 - October 31, 2021

Bay Program Data Flow



- Data may pass NEIEN validation but fail processing in CAST translation - Iterative correction process
- Report by 12/1 of each year for CBP progress year i.e. 7/1/2020 to 6/30/2021 = 2021 progress year

Upgrades

- Inspection template
- System generated email indicating records needing inspection to continue in CBP model simulation
- Upgraded administrative functions
- Collecting SWCGP permit number at sync
- SWCGP BMPs assigned to SW Authority as the reporting Organization
- Local Org Admin and Local viewer roles

Application Demonstrations

- Uploading new records – validation
- Editing existing records – changing/adding info
- Inspection template use
- Searching and Exporting
- Multiple measures available BMPs versus BMPs that require multiple measurements

Coming BMP Changes

Urban stream restoration BMP will no longer be accepted by EPA Chesapeake Bay Program for annual progress reporting starting progress year 2023.

Any reporting of new instances installed before 6/30/2022 will be eligible for Chesapeake Bay Program credit for progress year 2022.

Starting progress year 2023 this BMP will no longer be passed on by DEQ for Chesapeake Bay Program modeling credit.

Contact Information:

Bill Keeling

NPS Modeling and Data Coordinator
DEQ Office of Watershed Programs
william.keeling@deq.virginia.gov
(804) 698-4342

Arianna Johns

Chesapeake Bay Data Specialist
DEQ Office of Ecology
arianna.johns@deq.virginia.gov
(804) 698-4525

Nicole Sandberg

Nonpoint Source Program Coordinator
DEQ Office of Watershed Programs
nicole.sandberg@deq.virginia.gov
(804) 698-4342

Megan Sommers Bascone

Chesapeake Bay Planning Coordinator
DEQ Office of Ecology
megan.bascone@deq.virginia.gov
(804) 698-4435

Discussion